

Title (en)
ARTICULATED GULL WING DOOR

Title (de)
FALTBARE FLÜGELTÜR

Title (fr)
PORTE À AILE EN M ARTICULÉE

Publication
EP 3142877 B1 20190313 (EN)

Application
EP 15785309 A 20150410

Priority
• US 201414265969 A 20140430
• US 2015025344 W 20150410

Abstract (en)
[origin: US9045025B1] An articulated gull-wing door is described. The articulated gull-wing door comprises an upper section and a lower section mounted in a modular frame or directly in the body of a motor vehicle between two pillars. The upper section is overlapable with the lower section when the door is in a closed position to provide a leak proof interface. The upper section is attached to a top of the modular frame with a plurality of hinges and comprises a sliding rod that is couplable to a mechanical link in the lower section. The lower section comprises a plurality of linear bearings arranged at an upper portion of a front side and a rear side of the lower section to slidably couple the lower section to corresponding rails attached to upper front and upper rear portions of the modular frame. The lower section is capable of slidably displacing itself in a vertical direction on the rails in the modular frame to fixed upper pivot points and then rotating upward upon the fixed upper pivot points to a fully opened position.

IPC 8 full level
B60J 5/06 (2006.01)

CPC (source: EP US)
B60J 5/0473 (2013.01 - EP US); **B60J 7/1642** (2013.01 - EP US)

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